ZIP Crate and Backplane, Version 2 (Wayne Johnson, 8 December 2000) *DRAFT*

This file is located at:
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The CDMS 9U crate will have the following characteristics.

Crate: Mechanical: heavy weight, approx 4mm, sides

PC cards: slots 1-20: 9U x 280mm boards
        slot 21: 1-3U x 280mm board and 1-6U x 280mm board

Power Connection: interface through a 1U wide panel mounted on the top of the crate.
        Power connections:
          + and -15V Analog power @ 15 Amps
          + and -15V Front End power @ 15 Amps
          +5V Digital power @ 10 Amps
          +15V Heater power @ 2 Amps

Backplane Specifications: the backplane will consist of 2 sections in 2 different configurations:
ZIP module and RTF module
        Sections: one section of the backplane will be the same for both configurations and will
contain connectors: J2, J4, J5 and mounting holes for J3. The other section will be specific to the
module type installed in the crate.
        ZIP module section: a brass plate, thickness to be specified, that will have cutouts and
threaded inserts for J1 (DB50 cable connector) that connects to the ZIP module.
        RTF module section: a PC board with PC mounted DB50 connectors that the RTF module
plugs into. The board layout will reflect the layout of the UCB CDMS RTF TRIGGER
DISTRIBUTION BOARD.